



**MARYVILLE**  
UNIVERSITY

## HIGH SCHOOL CHEMISTRY EDUCATION

Minimum of **130** credit hours required for a Bachelor of Science degree.  
Last **30** credit hours must be from Maryville University

NAME: \_\_\_\_\_ REVIEWER: \_\_\_\_\_ DATE: \_\_\_\_\_

<b>I. MCORE (36 Hours)</b>	<b>Credits</b>	<b>SEM/YR</b>	<b>Grade</b>	<b>Notes</b>
<b>A. Social Discovery (6)</b>				
CORE 101 Discovering Community	3			
Student Choice – PSYC 254 Required	3			
CORE 401 Senior Capstone				In Major: EDUC 404/504
<b>B. Civic Discovery (6)</b>				
CORE 201 Discovering the Nation	3			
Student Choice	3			
<b>C. Cultural Discovery (6)</b>				
CORE 301 Discovering the World	3			
Student Choice	3			
<b>D. Creative Discovery (9)</b>				
COMP 104 Writing Across the Disciplines II	3			
Student Choice – COMP 101 if needed	3			
Student Choice	3			
<b>F. Scientific Discovery (9)</b>				
MATH 141 Elementary Statistics	3			
Student Choice – MATH 125 or MATH 151 Required	3			
Student Choice	3			
<b>II. Major Requirements (94 Hours)</b>	<b>Credits</b>	<b>SEM/YR</b>	<b>Grade</b>	<b>Notes</b>
EDUC 100 Introduction to Schooling	3			
EDUC 201 School & Society	3			
EDUC 239 Fundamentals of Secondary Teaching	3			
EDUC 241 Fundamentals of Secondary Schools	3			
EDUC 313/513 Adolescent Development & Learning	3			
EDUC 315/515 Educational Psychology: Learning & Management	3			
EDUC 321/521 Literacy Across the Academic Disciplines: Secondary	3			
EDUC 352/552 Education/Psychology of the Exceptional Child	3			
EDUC 361/561 Instructional Interventions in Reading: Secondary	3			
EDUC 441/542 Teaching Science Methods: Secondary	3			
EDUC 404/504 Professional Seminar	3			
EDUC 200 Practicum in School & Society	2			
EDUC 240 Practicum in Fundamentals of Secondary Education	2			
EDUC 320 Practicum in Literacy Across the Academic Disciplines	2			
EDUC 360 Practicum Instruct. Interventions in Reading: Secondary	2			
EDUC 440 Setting up School Experience plus Practicum in Teaching Science Methods: Secondary	2			
EDUC 400 Student Teaching	10			
CHEM 103 General Chemistry I	4			
CHEM 104 General Chemistry II	4			
CHEM 203 Organic Chemistry I	4			
CHEM 204 Organic Chemistry II	4			
CHEM 320 Biochemistry	4			
CHEM 353 Quantitative Analysis	4			
SUST 101, SUST 201, SUST 150 or SUST 350	3			
BIO 117 General Biology I	4			
SCI 309, SCI 132, SCI 222 or SCI 301	3			
SCI 140 History & Philosophy of Science	3			
PHYS 153 or PHYS 103	4			
<b>Degree Total</b>	<b>130</b>			

## SAMPLE COURSE PLAN

This is an example of the sequence of course work to complete this major.

Fall of Freshman Year	Credits	Spring of Freshman Year	Credits
CORE 101: Discovering Community	3	CORE 201: Discovering the Nation	3
COMP 101: Writing Across the Disciplines I	3	COMP 104: Writing Across the Disciplines II	3
Science Course with a Lab	4	Science Course with a Lab	4
EDUC 100: Introduction to Education	3	PSYC 254: Human Development through the Lifespan	3
MCORE - Student Choice	3	MATH 141: Elementary Statistics	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
Fall of Sophomore Year	Credits	Spring of Sophomore Year	Credits
CORE 301: Discovering the World	3	EDUC 241: Fundamentals of Secondary Schools	3
EDUC 201: School and Society	3	EDUC 240: Practicum in Fundamentals of Secondary Schools	2
EDUC 200: Practicum in School & Society	2	Science Course with a Lab	4
EDUC 239: Fundamentals of Secondary Teaching	3	MATH 125 or MATH 151	3
EDUC 313/513: Adolescent Development & Learning	3	Science Course	3
Science course with a Lab	4	MCORE - Student Choice	3
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18</b>
Fall of Junior Year	Credits	Spring of Junior Year	Credits
EDUC 321/521: Literacy Across the Academic Disciplines	3	EDUC 361/561: Instructional Interventions in Reading: Sec	3
EDUC 320: Practicum in Literacy Across the Academic Disciplines	2	EDUC 360: Pract. in Instructional Interventions in Reading: Sec	2
EDUC 315/515: Ed/Psych: Learning and Management	3	EDUC 352/552: Ed/Psych of the Exceptional Child	3
Science Course with a Lab	4	Science Course with a Lab	4
MCORE - Student Choice	3	Science Course with a Lab	4
MCORE - Student Choice	3		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>16</b>
Fall of Senior Year	Credits	Spring of Senior Year	Credits
EDUC 441/542 Teaching Science Methods: Secondary	3	CORE 401: EDUC 404 Professional Seminar	3
EDUC 440: Setting Up School Experience plus Practicum in Teaching Science Methods: Secondary	2	EDUC 400: Student Teaching	10
Science Course with a Lab	4		
Science Course	3		
Science Course	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>

**Notes:**